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Attorney Docket No. 10054-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Patent Application of: )  
C. D. Chang et al )  
Serial No. 09/436,520 ) Examiner: Tom Dunn  
Filed: November 9, 1999 ) Group Art Unit: 1754  
For: HYDROALKYLATION OF )  
AROMATIC HYDROCARBONS )

AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

In response to the Office Action mailed December 20, 2000 please amend this application as follows.

IN THE CLAIMS:

Please substitute the existing claims 7 and 10 with the following amended claims 7 and 10 respectively:

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7 (Amended) A catalyst suitable for the hydroalkylation of an aromatic hydrocarbon comprising  
(a) a first metal having hydrogenation activity in the form of ruthenium;  
(b) a second metal selected from zinc, tin, nickel and cobalt; and  
(c) a crystalline inorganic oxide material having a X-ray diffraction pattern including the following d-spacing maxima  $12.4 \pm 0.25$ ,  $6.9 \pm 0.15$ ,  $3.57 \pm 0.07$  and  $3.42 \pm 0.07$ .